

WEST**Freeform Search****Database:**

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Term:

I1 and L3

Display:

50

Documents in Display Format:

TI

Starting with Number

1

Generate:☐ Hit List☒ Hit Count☐ Side by Side☐ Image

Search

Clear

Help

Logout

Interrupt

Main Menu

Show S Numbers

Edit S Numbers

Preferences

Cases

Search History**DATE:** Monday, August 25, 2003[Printable Copy](#)[Create Case](#)**Set Name Query**

side by side

Hit Count Set Name

result set

*DB=USPT; PLUR=YES; OP=ADJ*L5 ('5902859|'4946900|'4472557')[PN]

3

L5L4 I1 and L3

5

L4L3 rubber or rubbery or elastomer or elastomeric or polybutadiene or abs

519477

L3L2 ('4308359')[PN]

1

L2L1 4308359

8

L1

END OF SEARCH HISTORY

FILE 'CAPLUS' ENTERED AT 12:21:38 ON 25 AUG 2003

L1 0 S ELECTOCH?/SO AND 43/SO AND 12/SO AND ?GRAFT?
L2 2 S ELECTROCH?/SO AND 43/SO AND 12/SO AND ?GRAFT?

FILE 'REGISTRY' ENTERED AT 12:35:37 ON 25 AUG 2003

L3 1 S 109955-91-1
L4 5 S NAFION 117

FILE 'CAPLUS' ENTERED AT 12:39:41 ON 25 AUG 2003

L5 0 S PVDF-G-SPS
L6 176 S POLYVINYLIDENEFLUORIDE OR POLYVINYLIDENEDIFLUORIDE
L7 216 S POLYVINYLIDENEFLUORIDE OR POLYVINYLIDENEDIFLUORIDE
L8 76 S POLY VINYLIDENEFLUORIDE OR POLY VINYLIDENEDIFLUORIDE
L9 289 S L6 OR L7 OR L8
L10 10 S L9 AND ?GRAFT?
L11 4 S L10 AND ?STYRENE?
L12 4 S L10 AND ?STYREN?

=>

oxygen fuel

L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1981:520887 CAPLUS
DN 95:120887
TI Asymmetric **polyvinylidene fluoride** (PVDF) radiation
grafted membranes: preparation and performance in reverse osmosis
application
AU Vigo, Fernando; Capannelli, Gustavo; Uliana, Claudio; Munari, Stelio
CS Inst. Ind. Chem., Univ. Genoa, Genoa, Italy
SO Desalination (1981), 36(1), 63-73
CODEN: DSLNAH; ISSN: 0011-9164
DT Journal
LA English
CC 61-4 (Water)
AB Membranes were prepd. starting from asym. poly(vinylidene fluoride) films,
obtained by the casting and gelation technique and modified by radiochem.
grafting with **styrene** and sulfonation. These membranes
were tested in a reverse-osmosis lab, and their performances were detd. as
a function of the prepn. parameters. The influences of evapn. time,
grafting, temp., and solvents were investigated. These membranes
exhibit permeabilities .ltoreq.2000 L/m²-day and NaCl rejections of
.ltoreq.70%.
ST polyvinylidene fluoride membrane reverse osmosis; radiation
grafted membrane reverse osmosis
IT Water purification
(reverse osmosis, sulfonated **styrene-grafted**
poly(vinylidene fluoride) membranes for)
IT Membranes and Diaphragms
(reverse-osmosis, sulfonated **styrene-grafted**
poly(vinylidene fluoride), for water purifn.)
IT 31566-66-2D, sulfonated
RL: OCCU (Occurrence)
(**graft**, reverse osmosis membranes, for water purifn.)